

INSTRUCTIONS FOR SAFE OPERATIONS

LM3000

EXPLOSION PROOF
LASER DISTANCE METER



CONTENTS

Read This First	3
Liability	3
Trademark Information	3
Product Infromation	3
Special Conditions for Safe Use	4
Operational Cautions	5
Certification	6
Certificate of Compliance	7

READ THIS FIRST

The LaserMETER 3000XP is an explosion-proof laser measurement device suitable for use in hazardous areas (Ex zones: potentially explosive environments).

Read and understand all Warnings and Cautions before using this product.

Liability

The technical specification of the Device complies with relevant CSA standards.

The user is solely responsible for ensuring the equipment is suitable for the intended purpose and environments.

CorDEX Instruments will not be liable for any injury or damage resulting from unauthorized adjustments to, or dismantling of, the camera or for use with inappropriate applications or environments.

Trademark Information

Microsoft® and Windows® are U.S. registered trademarks of Microsoft Corporation.

Pentium® is a registered trademark of Intel Corporation. Macintosh is a trademark of Apple Computer, Inc. SD™ is a trademark.

Other names and products may be trademarks or registered trademarks of their respective owners.

Product Information

Product design and specifications are subject to change without notice. This includes primary specifications, software, software drivers, and user’s manual. The User Manual is a general reference guide for the product.

The manufacturer assumes no liability for any errors or discrepancies in the user manual.

- Incorporates toughened glass windows. This should be taken into account when considering the end use application.
- The LaserMETER 3000XP cannot be maintained in the field and must be returned to the manufacturer should repair or maintenance be required.

SPECIAL CONDITIONS FOR SAFE USE

- The LaserMETER 3000XP must only be recharged in a non-hazardous area.
- Extreme Care should be taken to ensure that no damage occurs on the flamepath between battery and case. Ensure dowel location pins are engaged fully before tightening locking screws.
- LaserMETER 3000XP incorporates a protected battery system with a replaceable fuse. This Fuse is only to be replaced with CorDEX Instruments Type CDX2341-120 fuse. Failure to do so will void the certification.
- Ensure that the LaserMETER 3000XP battery pack is secured using the screws provided. If the screws are lost, only replace with screws of the correct size and type. If in doubt, contact your nearest CorDEX Instruments representative.
- The LaserMETER 3000XP cannot be maintained in the field and must be returned to the manufacturer should repair or maintenance be required.

OPERATIONAL CAUTIONS

The cautions contained in this section do not relate specifically to safe use in hazardous area applications but should be followed to help prevent damage to the camera or personnel.

- Do not stare into the beam.
- Before using this product, please carefully read and understand all the terms and operational guidelines in the user manual. Always follow safety regulations.
- Do not alter the laser in any way. Activate the laser only when in use. Do not stare at the laser directly; keep your instrument safe from use by unauthorized persons.
- Do not point the Laser at anyone's eyes. This might cause damage to the person's eyesight.
- Keep out of the reach of children.
- Do not aim the laser at objects with a high-reflective surface.
- A Laser is a precision instrument. Do not drop it, strike it or use excessive force when handling the Laser. This might cause damage to the Device.
- Do not repair the equipment, if the device is damaged, please contact your local dealer.
- Laser radiation may interfere with other instruments.
- Do not use near medical equipment.
- Do not use this instrument on an aircraft.
- Please follow your local laws to dispose of the obsolete instrument.



Laser Radiation
Do not stare into the beam
Laser class2
Acc. IEC 60825-1:2001
Maximum radiant power : < 1mW
Emitted wavelength: 620-690nm

CERTIFICATION

Model	LaserMETER 3000XP
Certificate No.	2379424
Marking	Explosion Proof Class I, Div. 1 GPS B, C and D T4
Ambient Temperature	Tamb -20°C to +50°C
Ingress Rating	NEMA 3R
Power Supply	1x CorDEX Instruments XP Battery pack. Part Number CDX2341-007

CSA CERTIFICATE OF COMPLIANCE

	
<h3>Certificate of Compliance</h3>	
Certificate: 2379424	Master Contract: 249383
Project: 2439641	Date Issued: July 26, 2011
Issued to: CorDEX Instruments Ltd 1 Owens Rd Skippers Lane Industrial Estate Middlesbrough Cleveland, TS6 6HE United Kingdom Attention: Richard Kidd	
<p><i>The products listed below are eligible to bear the CSA Mark shown with adjacent indicator 'US'</i></p>	
<div><div><i>Ron Wildish</i> Issued by: Ron Wildish</div></div>	
PRODUCTS CLASS 2258 82 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations - Certified to US Standards	
Class I, Div. 1, Groups B, C and D: Model LM3000XP Laser Distance Meter; battery operated using Battery Pack P/N CDX2341-008; Enclosure Type 3R; Temp. Code T4, Tamb = -20C to +50C.	
APPLICABLE REQUIREMENTS FMRC 3600 – 1998 - Electrical Equipment for Use in Hazardous (Classified) Locations, General Requirements FMRC 3615 – 2006 - Explosionproof Electrical Equipment, General Requirements FMRC 3810 – 2005 - Electrical and Electronic Test, Measuring, and Process Control Equipment ANSI/NEMA 250 – 2003 - Enclosures for Electrical Equipment	
DQD 507 Rev. 2009-09-01	Page: 1

